

CERTIFICATE OF CALIBRATION


This Certificate certifies that the items listed below have been tested, manufactured, calibrated and/or inspected in accordance with IDEAL INDUSTRIES Networks Ltd. procedures. These procedures are ISO 9001:2015 controlled and are designed to assure that the instrument will meet its published specification.

Inspections and/or tests and Calibration have been performed, as applicable at or on behalf of

IDEAL INDUSTRIES Networks Ltd.

Stokenchurch House, Oxford Road
Stokenchurch, High Wycombe
Buckinghamshire. HP14 3SX. UK

Calibration compliance is achieved by comparison to a calibrated standard, using an Automated Test Equipment (ATE) Station, in accordance with IDEAL LanTEK® System Factory Calibration Procedure 160626/160609 on file at the above address. Procedure 160637 details the method of calibration showing traceability of calibration of the ATE with a Network Analyser with calibration certificates documenting traceability to the National Physical Laboratory (NPL) and or National Institute of Standards and Technology (NIST).

Reference No:	BTWH2N
Customer Name:	A-LAN
Model No:	LanTEK III - 500MHz
Display Handset Serial Number	1923021
Remote Handset Serial Number	1923022
Firmware Version	3.215
Equipment used for Calibration:	LanTEK ATE Calibration station (Serial No: 14)
Date of Calibration:	13 October 2020
Recommended Next Calibration:	13 November 2021
Environmental Conditions	Temperature: 23°C ± 2°C
No of Pages	2
Calibrated by:	Joel Kent - IDEAL UK
Signature:	
Date:	13 October 2020

CALIBRATION PROCEDURE:

The LanTEK tester consists of a Display and a Remote Handset, which is used to categorize data network links. The calibration of both units is carried out via an Automated Test Equipment (ATE), which uses internal calibration artefacts in a software controlled sequence to first calibrate the LF parameters (DC resistance, capacitance and length), followed by the calibration of the RF parameters (Return Loss, NEXT, FEXT and Insertion Loss). Both LF and RF measurements are carried out.

FACTORY CALIBRATION VALIDITY PERIOD:

IDEAL INDUSTRIES Networks Ltd. recommends a factory calibration every 12 months for LanTEK II & III series cable certifier. A new unit may be shipped with a period of up to 15 months of valid calibration. Units returned for annual calibration will be shipped with a 12 month calibration period.

Summary:

The unit is operational, all established measurement values are within the manufacture given tolerance

This calibration certificate may not be reproduced other than in full except with the permission of the issuing company, calibration certificates without signature are not valid.

